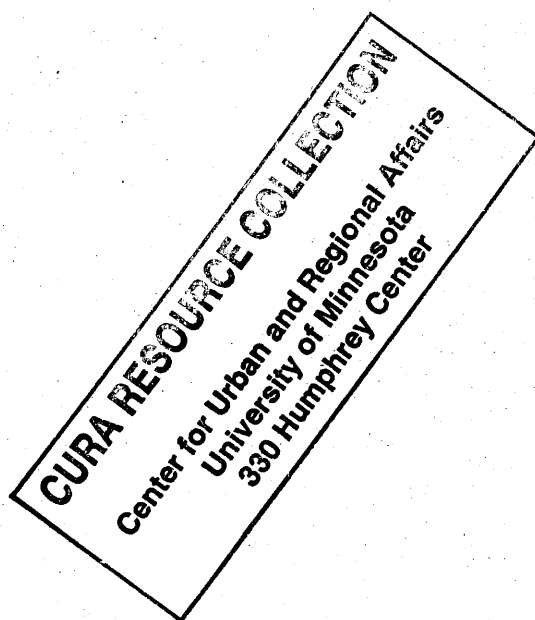


Report from
Center for Urban and Regional Affairs
1971-1973 Biennium



November 1, 1972

TABLE OF CONTENTS

A - Urban and Regional Management

1 - Environmental Studies - - - - -	Page 1
2 - Housing - - - - -	Page 2
3 - Information Systems - - - - -	Page 3
4 - Transportation - - - - -	Page 4
5 - Land Use and Zoning - - - - -	Page 5

B - Community Programs

1 - Career Development - - - - -	Page 8
2 - Center for Youth Development and Research - -	Page 9
3 - Urban Education Center - - - - -	Page 14
4 - Intercultural Programs - - - - -	Page 15
5 - Project Technology Power - - - - -	Page 19
6 - West Central Regional Cooperative - - - - -	Page 19
7 - Office for Applied Social Science and the Future - - - - -	Page 20

C - Central Office Administration - - - - - Page 22

Budget Summary - - - - -	Page 24
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A - URBAN AND REGIONAL MANAGEMENT

1 - ENVIRONMENTAL STUDIES

The All University Council on Environmental Quality was appointed in October, 1971. The general objectives of the council are: to serve as a source of information for faculty and students on courses, counseling and research proposals; facilitate educational opportunities in environmental sciences; develop public service programs; and assist in administration of, fiscal support, credit and evaluation for, programs of environmental study. A broad cross section of the University population was involved in Council activities. The original 13 members of the Council gave representation to a majority of the academic units involved with environmental matters. The Council was funded entirely by CURA during fiscal year 1971-1972 in the amount of \$16,000. The Council will remain as an ongoing activity at least for the next few years; its activities may include the funding of new and experimental courses, extension and general continuation activities, research programs, and a general review and critique of existing programs.

The Second edition of the Bulletin of Environmentally Related Courses and Programs was published in September, 1972. The Objective is to bring together, in a form most useful to students, faculty and others, a concise description of environmental services and activities in the University of Minnesota. All units of the University, including the coordinate campuses were involved, at least to the extent of reviewing their courses and programs so that those with primary environmental emphasis were identified. Some units of the University were involved to the extent of developing new courses and programs. Those public agencies that maintain libraries with environmental holdings were asked to describe their libraries for inclusion in the bulletin. This project has been totally supported by the University. Funds for the preparation of the Bulletin came jointly from the Council and from the IT Center*, \$3,000 to \$4,000 was contributed in the form of secretarial and staff time, phone calls, supplies, etc. Source of funds for printing has not yet been established; estimated cost is \$3,800. The responsibility for preparation of the Bulletin will remain with the Council even though printing costs might be assumed by a central University account. The Bulletin has made available a complete listing of environmental courses and programs, enabled those both within and without the University to find out about environmental programs in a systematic manner, and has provided the impetus to revise programs, initiate new courses and programs.

The Environmental Intern Program was initiated in Winter quarter of 1972. The program's objectives are to give interested students direct experience with ongoing or new programs in environmental protection and conservation and to stimulate interaction between the faculty and operating agencies at the working level, giving the participating faculty a better understanding of current problems and give the agencies access to the technological expertise that is available at the University of Minnesota to help solve problems. Advanced undergraduate or graduate students from any unit of the University may participate in the program. The program is located in the Institute of Technology. Faculty in the Institute of Agriculture, the College of Biological Sciences, CLA and Forestry are assuming responsibility for organization of additional unfunded trial programs such as, advising students, placing students with the agencies, etc. Participating agencies include: Minnesota Resources Commission, State Planning Agency, Corps of Engineers, Pollution Control Agency, Metropolitan Sewer Board, Department of

*Center for the Study of the Physical Environment

1 - ENVIRONMENTAL STUDIES

(Continued)

Conservation, Environmental Protection Agency, Metropolitan Council, Highway Department, Department of Economic Development and the Department of Agriculture. During FY 1971-1972, the Small Grants Program provided \$2232 in support. The All-University Council on Environmental Quality is providing \$3800 during FY 1972-1973. After 1972-1973 support will hopefully be transferred to the individual academic units. Several students took part in FY 1971-1972. Indications from students and from the agencies with which they worked were that both the students and the agencies benefited from the experience.

The Assessment of Potential Impact of a Copper-Nickel Industry in Minnesota Project began in 1971-1972, and is expected to continue for at least a few years. The objective is to initiate and carry out a comprehensive review of the total impact of a copper-nickel industry in Minnesota, and to join the resources of the University with those of the responsible State agencies. To date approximately 55 faculty members, students and agency staff have been involved in discussions. Faculty are from several University departments. Non-University involvement has included the Minnesota Pollution Control Agency, the Minnesota State Planning Agency, and the Minnesota Department of Natural Resources. Fiscal support for 1971-1972 has come entirely from general funds of the All University Council on Environmental Quality. If this program is successful, it will make available a systematic and fairly complete review of the implications of a copper-nickel industry to Minnesota, which may well have considerable impact on the state.

2 - HOUSING

The Housing Management Training Project began in July, 1972 and will continue into next fiscal year in order to explore need and resources for education in housing management particularly for developments serving low and moderate income families, and to develop and test pilot courses and curricula. Faculty members from Family Social Science, Social Work, Design, and Agricultural Extension participated in a planning conference and in plans for an ongoing pilot seminar starting in January, 1972. The project is represented on the University Community Task Force. Public agencies and private organizations participating are: HUD Area Office, State Planning Office, various housing and redevelopment authorities, private non-profit housing organizations, cooperative housing organizations, Resource Center for Social Work Education. People in public and private non-profit housing and organizations engaged in developing and managing such housing will be served. The project is receiving fiscal support from the University and will prospectively receive outside fiscal support. CURA is acting as the coordinator of this project but curricula would be the province of others unattached to CURA. There is a nationally recognized growing need for more effective housing management in government subsidized housing and other non-standard types of living arrangements. In-service training for people presently involved in housing management and a curriculum for people entering the field is indicated.

The Urban Renewal Internship Program began in July, 1972 and will terminate June, 1973. Its purpose is to give students in urban studies experience in renewal offices

2 - HOUSING

(Continued)

of Minneapolis and St. Paul Housing and Redevelopment Authorities and in Project Area Committee Offices and to relate this experience to literature in the field. Architecture faculty, Living-Learning Center staff members and Urban Studies students are involved with the Minneapolis and St. Paul Housing and Redevelopment Authorities in serving people in local urban renewal areas. The University is contributing fiscal support as well as the Minneapolis and St. Paul HRAs. This is a cooperative project with other University departments.

County Housing Profiles began in February, 1972 and ended December, 1972. Its purpose was to make available in easily usable form data from the 1970 Census from the 4th count summary tapes for Counties in Minnesota. The vast amount of housing data is being organized and presented in graphic and tabular form for counties together with comparative data for the State and the appropriate planning region. Faculty from Agricultural Extension and Geography, and the Minnesota Analysis and Planning Systems were involved with the State Planning Office, various County and municipal offices, county agents and the HUD Area Office in serving people throughout the state interested in housing problems and programs. Fiscal support was received from CURA. The project will make available to the wider community significant data not published otherwise on a county basis in a form which is easily understandable.

The Program for Developing and Using a Housing Research Model began in January, 1972 and is continuing. The research studies would develop a conceptual model for housing research and apply it to Planned Unit Developments, FHA 235 and 236 Housing programs, Modular housing and mobile home courts in the Twin Cities Metropolitan Area and in selected places throughout the state, and recommend program improvements both in legislation and municipal administration as well as adaptations of the private residential delivery system to better meet the stated objectives. Various University departments are involved with the Metro Council, HRAs in Minneapolis and St. Paul, private builders and developers, municipal and county planning offices and the Minnesota Housing Institute. Fiscal support comes from CURA and there are prospects for outside support. There are plans for spinoff. If the project can help to adapt the housing delivery system to the present or contemplated programs or vice-versa, it will be instrumental in meeting the need for housing for low and moderate income families and in meeting the objective of achieving better balanced communities.

3 - INFORMATION SYSTEMS

The *MLMIS Study began July 1, 1969 and is continuing. The purpose of MLMIS is to standardize methods of collecting and structuring data to aid public officials in decision making and to promote long-term cooperation and coordination among researchers and public officials and to build an operating land use information system. Faculty has come from the Departments of Geography and Landscape Architecture; undergraduate and graduate students from the Departments of Geography and Forestry and the Law School; pilot studies were done by the Departments of Landscape Architecture and Soils; the Minnesota Geological Survey is handling well log information. Public and private agencies involved are: four subunits of the State Department of Natural Resources, the State Department of Highways and Administration, the Pollution Control Agency, and the State Planning Agency; the Upper Great Lakes and the Arrowhead Regional Development

*Minnesota Land Management Information System

3 - INFORMATION SYSTEMS

(Continued)

Commissions; the United States Geological Survey; University of Wisconsin, Recreational Resources Study; St. Cloud State College, Department of Geography; the Land Exchange Review Board; Minnesota Resource Commission and the Minnesota Municipal Commission. The executive and legislative officials and higher education researchers in the state are being served. No spin-offs are considered, only sharing of collected data and knowledge. The University serves the community through this project by acting as a communication center for all individuals and agencies concerned with land use and resource management problems. This catalytic action has promoted sharing between the University and outside agencies, among several independent University departments and among numerous governmental agencies.

RAFT, Rapid Analysis Fiscal Tool, began in 1969 and is continuing. It is a group of computer programs designed to create and manipulate a data base as a means of analyzing current and alternative public policies on taxation. Objectives of the project are: to bring large amounts of detailed and accurate data to bear on government fiscal policy analysis and enactment; to depict and explain fiscal variations among the many units of local government, including levels of taxation, tax resource base size and spending patterns; to measure the impacts of present state and local fiscal policies on individuals and individual units of government; to estimate the varying impact of alternative fiscal policies; and to aid in the development of a systematic plan of data reporting for the state of Minnesota through the development of uniform data definitions, procedures and applications of automatic data processing techniques. One faculty member from Political Science, a graduate student from Public Affairs, and consulting from the Management Information Systems Research Center make up the University's input. Six State Departments and agencies, the State Senate, the Governor's Office and Tax Study Commission, and the Intergovernmental Information Systems Advisory Council have all been involved. This tool is designed to be of particular assistance to the legislature and public agencies of Minnesota involved with formulating fiscal policy. The Information Resources Development Fund-State Department of Administration contributed \$33,931 during FY 1971-1972 and will be contributing an undetermined figure in 1972-1973.

4 - TRANSPORTATION

The New Transport Demonstration project began July 1, 1971, and will terminate approximately December 31, 1972. The objective of the project was to develop a proposal for demonstrating a new form of public transportation in Minnesota to serve the Twin Cities Area and Duluth-Superior Area. Faculty and students from the Departments of Mechanical Engineering, Civil Engineering, and Architecture at the University of Minnesota were involved in the project. Agencies involved outside the University included the Minnesota Highway Department, the Metropolitan Council, the Metropolitan Transit Commission, the Duluth Transit Authority, the Minneapolis City Planning Office, and other agencies and citizens organizations. Fiscal support has come from the University through CURA (\$8,000). The Departments of Mechanical Engineering and Aeronautical Engineering have contributed faculty time. The major fiscal support has come directly from the Minnesota State Legislature in the amount of \$50,000. Results of the Project include: conversations have been held with official, business, and citizen groups; PRT demonstrations have been discussed with federal, state and city officials

4 - TRANSPORTATION

(Continued)

in Minnesota and 7 other states; an interdisciplinary course entitled New Concepts in Urban Transportation has been developed; a National Conference on Personal Rapid Transit was planned and held; planning for a 1973 International Conference on Personal Rapid Transit to be held in Minneapolis next May is under way; a newsletter, the PRT BI-WEEKLY, was initiated in August, 1971; a slide presentation entitled Urban Transportation, a New Era, was developed and has been shown many dozens of times in the Twin Cities and outside; presentations, lectures and testimony on PRT have been given to the President's Science Advisory Committee, the 1971 National ASCE Transportation Conference, the Senate Commerce Committee, and the House Transportation Appropriations Subcommittee; the New Transportation Demonstration Project assisted in the formation and operation of the Citizens Transit Council and the preparation of a series of 12 Educational Television programs under the title "Urban Transportation: A New Era". As a result of these activities, the University of Minnesota has become internationally recognized as a source of information on new transportation technology.

5 - LAND USE AND ZONING

The Watercraft Study began June 15, 1972 and continued to the present. Its purpose is to study water surface use in Ramsey County lakes, suggest a number of water zoning and rationing alternatives to be utilized in the development of a state-wide framework for water zoning. University involvement has been through CURA, professors from the Department of Geography in the planning stages, and students from Geography for data collection. Public agencies involved are the Department of Natural Resources and the Ramsey County Board of Commissioners. Users of Ramsey County lakes are the population to be served. Fiscal support has come from the Department of Natural Resources, \$12,000. The Study will be completed and results given to the Department of Natural Resources.

MLMIS is an important part of CURA's work in the area of Land Use and Zoning. See MLMIS project description under A-3.

A State Land-Use Map and a Report on Land-Use in Northwestern Minnesota are two products of MLMIS. (See MLMIS project description under A-3.) The land-use map shows, in very fine detail, the major land use of the entire state and is an extremely valuable tool in any land use planning. The report on land in Northwestern Minnesota is a thorough description of land-use in that part of the state coupled with ownership, value, crop and demographic data to show the interrelations of these characteristics. In addition to other information, the report lists conclusions and recommendations for federal, state and local government action to improve awareness of land-use and changes in land-use. A state-wide report will be produced this year which will describe land use and associated characteristics across the state as well as more far-reaching recommendations for land-use monitoring.

Inventorying State Agency Land Use Controls was another project under MLMIS-(See A-3.) State statutes regarding powers for control were researched and catalogued. Where the powers were not applicable across the entire state, affected zones were mapped. This project was done in conjunction with the Law School and was funded by the Rockefeller Foundation.

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The NASA Project contract runs from July 1, 1972 through June 30, 1973 with the objective of determining the relative feasibility and expense of updating the Minnesota Land Management Information System (MLMIS) by using Earth Resources Technology Satellite (ERTS) imagery and NASA high-altitude color photography, rather than standard black and white high altitude photography. It is a cooperative venture between the State Planning Agency and the Center for Urban and Regional Affairs. Investigators from the following three University units are involved: the Department of Geography (six investigators), the College of Forestry (four investigators), and the Department of Soil Science-Agriculture (one investigator). The source of funds for this project is a grant by NASA to the Minnesota State Planning Agency, the total amount being \$107,946. We are sharing catalog data with the Honeywell Corporation.

In October, 1971, the Upper Great Lakes Regional Commission contracted the Upper Great Lakes Recreational Study with the University of Minnesota, through the University of Wisconsin, on the influence of Voyageurs National Park, Isle Royale National Park, and the Boundary Waters Canoe Area participants on Northern Minnesota. The ensuing report, now in the publication process, was produced by the Minnesota Land Management Information System (MLMIS) Study (using 1 faculty member, 1 administrator, 1 programmer, and 6 student workers) and the State Department of Administration (using 1 programmer). The final report will be used as a planning information source for the Minnesota State Planning Agency, the Arrowhead Commission and Municipal and county governments of Koochiching, St. Louis, Lake and Cook counties. In January 1972, a preliminary report was submitted to the University of Wisconsin, Madison, the primary contractor for the Upper Great Lakes Recreational Study. The University of Minnesota has provided approximately \$3,000 in support of the program (administrative, secretarial services, and office space) with the Upper Great Lakes Regional Commission giving \$8,000 to the project. The final report, when printed, will aid Minnesota state and local agencies in planning development surrounding the National Parks in northern Minnesota.

Pilot Studies in Computer Aided Land Planning are a series of case studies which have been conducted to develop computer software and procedures for the planning of township lands, state park and recreation areas, and transportation corridors. Three specific studies have been completed:

1) The Land Use Prototype Study for Empire Township, Dakota County, Minnesota was conducted from January to June, 1971 by the Department of Landscape Architecture as a junior level course. The purpose was to investigate the application of computer aided methods to township level planning. County officials have since been interested in applying similar techniques area wide.

2) Computer Aided Planning of State Park and Recreation Areas was conducted for the period January to June 1972. It was under the direction of Alan Robinett and students in the Department of Landscape Architecture with the Minnesota State Planning Agency for the Minnesota Resources Commission. The Environmental Planning Programming Language (E.P.P.L.) was developed as computer software for general purpose use. Funding totaled \$7400. Application was made for the planning of Blackbear State Forest, Crow Wing County and Sunrise State Park, Chisago County. This project demonstrates how computer aided methods can be applied to small scale land planning projects.

3) Comprehensive Route Selection, the Northshore Corridor case study, was conducted from June to September, 1972 by the Minnesota Highway Department, Environmental Services

5 - LAND USE AND ZONING

(Continued)

Section and assisted by Alan Robinette, Paul Sard and students from the School of Architecture and Landscape Architecture. The program E.P.P.L., developed as previously mentioned, was applied to the Northshore Corridor study and incorporated in the Minnesota Highway Department procedure through a series of seminars and case study application through a \$5300 grant. This procedure will be used in future corridor studies and will also be incorporated into Department of Natural Resources studies of open space lands.

These studies have developed basic tools and methods for general purpose small scale planning. Cooperation between the University and state and county agencies has established liasons between data sources, technical skills, and decision makers. The system can serve as a foundation for further development and application for land planning and can serve as a guide to statewide application of computer aided land management.

B - COMMUNITY PROGRAMS

1 - CAREER DEVELOPMENT

Public Service Careers (PSC) was initially funded from March, 1971 through March, 1972. An extension through March, 1973 has been given. PSC's purpose is to increase employment of minority and disadvantaged residents of Model Cities in the University's Civil Service system and to offer upgrade opportunities for present "disadvantaged" employees who remain at low level positions because they lack skills or certification required for mobility. The project is administered by the Office of Career Development in cooperation with the Department of Civil Service Personnel, with consultation of other Equal Employment Opportunity staff members from Central Administration. Placements have been made in Administration, colleges, programs and supportive services. Supervisor's training seminars are led and evaluated by a faculty member and students from the Department of Industrial Relations. Program evaluation is being conducted by a graduate student in Political Science. Counseling services are supplied by HELP, MLK, and CEE counseling centers, Reading and Study Skills Center, the Student Counseling Bureau and the Office of the Public Defender. Recruiting for the program has been conducted by Model Cities Employment Centers in St. Paul and Minneapolis, and Target Area "A" Service Center, St. Paul. Other community agencies have aided recruiting efforts and supportive services: Pilot City, Urban League, AIM, Manpower Skills Center, Minneapolis and St. Paul Departments of Relief, Sabathani Community Center, Macalester, Hamline and Augsburg student placement offices. PSC has served the "disadvantaged" population of the Model Cities neighborhoods of Minneapolis and St. Paul with some recruiting from Pilot City in Minneapolis and the West Side in St. Paul. The University's "in-kind" contribution is \$45,500. DOL/HUD-Model Cities funding for the 2 year project is \$263,150. A meeting has been scheduled to discuss institutionalization of PSC. By March of 1973 a determination will have been made about its place among other affirmative action efforts of the University. As of October, 85 new employees are enrollees in PSC and 45 present employees are in the upgrade training. Aside from the personal gain to the enrollees, the University benefits in a number of ways: hiring departments have been sensitized to issues in employment of the disadvantaged; Supervisors Seminars, developed to enhance skills of middle management people who deal with employees in special programs, may serve as a model for ongoing training by Department of Civil Service Personnel; hopefully, inner city communities have come to regard the University as a more credible employer of the disadvantaged, providing genuine opportunities through jobs, training and supportive services that will provide mobility throughout the Civil Service System.

The Emergency Employment Act project began October 19, 1971 and will terminate August, 1973. Its purpose is to provide employment for groups whose numbers are particularly high in the generally high unemployment existing, namely unemployed professionals, veterans, and the disadvantaged. Civil Service Personnel administers the project. Positions funded under the Emergency Employment Act have been awarded to Civil Service and Academic employees throughout numerous University departments. Recruiting is done through Minnesota Manpower Services and program monitoring is out of the Governor's office. Population served is the unemployed and underemployed from Minneapolis. The University's "in-kind" contribution is \$88,000. The federal grant is \$602,320. The record of hiring the disadvantaged as well as the professionally trained has been a good one.

The Community Health Worker project is funded from March 27, 1972 for a 3 month planning phase, followed by a one-year operational program ending June 19, 1973. The

1 - CAREER DEVELOPMENT

(Continued)

purpose of this program is to provide new staffing personnel for neighborhood health centers, using neighborhood residents. Students will engage in an education program with a double focus; patient advocacy and actual health care skill, and will be able to acquire an AA degree. Departments involved in implementation and evaluation are the School of Public Health, General College and Pharmacy, faculty and students. Public and private agencies participating include Hennepin and Ramsey County Welfare, and 7 community health care centers. Inner city residents of Minneapolis and St. Paul, staff and users of neighborhood centers are the population served. Fiscal support from the University is an "in-kind" contribution of \$42,830. The federal program grant from the Health Manpower Development Program amounts to \$70,000, funds for scholarships from WIN are approximately \$5,000. Decision about spin-off has not been made. The University is now being viewed as a provider of training for this new phenomena of neighborhood health centers. This project serves primarily the non-traditional student and people participating in the learning process who previously have been denied this access to a significant career. Health centers have been extremely cooperative in working with the University and students.

The Family Day Care Training Project proposal has gone to the State Department of Welfare, Ramsey County Welfare, the Coordinated Child Care Council, Inc. of St. Paul, and the University of Minnesota, all of whom provide the local match required for Title IVA funds for a demonstration project to improve the quality of care in family day care centers in Ramsey County. The budget has a \$58,408 local match share, \$175,099 federal share, for a total of \$233,507. The University's share of local match is \$37,352. Further information will be provided when the contract is finalized. The grant is anticipated for January, 1973, to run for one year.

CURA's contribution amounts to \$70,000 of the University's "in-kind" contribution to Career Development over the past two years.

2 - CENTER FOR YOUTH DEVELOPMENT AND RESEARCH

The Interdisciplinary Curriculum Project is a continuing project which began in Fall, 1971. Its objective is to develop and implement an undergraduate, interdisciplinary sequence of courses and experiences that will provide an orientation to work with youth. Major involvement of people has been through the working committee, which includes faculty from: several departments in the College of Liberal Arts; departments in the College of Education as well as the Institute of Child Development; the School of Social Work; the College of Home Economics; and Agricultural Extension Service. The curriculum, initially, will serve 15 students from Education, Home Economics and College of Liberal Arts. OCS-HEW monies have been used for this project. The impact of the project has been primarily within the university and the expectation will be that the program will become an integral part of undergraduate training in a number of different schools and colleges and reflect a recognition of "youth" as a legitimate area of study.

Planning for a new course, Continuing Education in Extension for Persons Beginning to Work in Youth-Serving Settings began in Fall, 1972. The course will be offered in Winter, 1973 and repeated according to the demand. The main objective of

2 - CENTER FOR YOUTH DEVELOPMENT AND RESEARCH

(Continued)

the project is to broaden students understanding of youth and explore the potentials of work with them. This course is an outgrowth of requests and concerns expressed by many faculty and agency personnel. The project will serve agencies in the wider community, directly, through the training staff members participating in the course will receive. Depending upon response to the course, considerably more than 10 students and their respective agencies may be served each year.

The Interdisciplinary Faculty Seminar is a continuing project which began in September, 1968. Its purpose is to bring together on a regular systematic basis, a group of faculty, students and community people to exchange ideas, experiences and knowledge regarding research and work with youth. Members of 18 departments, schools, and offices of the University participated during the academic year of 1971-1972, and 30 community agencies and institutions on the local, county and state levels were represented. Average attendance is 50 persons. CURA monies are used for publishing the monograph, \$750/3,000 copies, and an honorarium payment to the author. Bush Foundation monies are used for mailing and support services. The Faculty Seminar and monograph series are an integral part of the Center and there is no plan for spin-off. Those who responded to questionnaire distributed at the end of the third year of these seminars, Spring, 1972, expressed strong support for its continuance and would endorse greater use of funds in response to participants' desire for more facts, information and preparation for each session.

Parenting Education for High School Students began in October, 1972 and is continuing. The purpose of this project is to conduct a pilot course with high school students to ascertain the process whereby education for parenthood and other child care roles can take place and become an integral part of the typical high school curriculum. The Center for Youth Development and Research, the Campus Assistance Center, and the School of Social Work are involved, through their contribution of staff and a graduate student, with the Seton Center and St. Paul Public Schools in serving the high school students in the Seton Center School. No additional support is required to conduct this project. Based on a careful evaluation, ways of replicating the project and consideration of spin-off will be pursued. Just as important as the concern with parenthood and child care roles is the merging, in this course, of social group work skills with educational goals within a public school setting.

Research consultation to the Parent Intervention Project in Ramsey County Juvenile Court, Court Services Unit, began in June of 1971 and will terminate tentatively in June, 1973. Its purpose is to provide research consultation to project staff who administer a service-research project providing services to parents of first-offender juvenile delinquents. Three students and one CYDR staff member are involved in this consultation with the Ramsey County Juvenile Court and LEAA to serve parents of first-offender adjudicated delinquents. A \$4500 grant from Ramsey County Court Services LEAA grant supports the project, while the salary of the major researcher comes from the Bush Foundation grant. By working with staff of the Court, it is hoped that their ability to carry on similar projects in the Court will be enhanced.

Research consultation with the Minneapolis Downtown YWCA Probation Plus Project began July, 1972 and will end in June, 1973. The purpose is to provide evaluative research consultation to staff of that project. One CYDR staff member and one part-time graduate student are co-consultants to the Probation Plus Project which serves

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young women on probation from Hennepin County. The co-consultants are supported by the Bush Foundation grant. It is hoped that LEAA, State Crime Commission or students in sociology and social work could pick up on this project. There is also the possibility that the YWCA staff this project works with can be trained to pick up and continue work. Technical assistance has also been provided to the agency in meeting its funding requirements for self-evaluation. Service to inner-city young people on probation has been improved.

Research Consultation to Adolescent Health Programs will be a continuing service which began September, 1972. Its purpose is to provide research consultation to innovative youth-serving agencies on data collection, analysis, and interpretation. A CYDR staff member and, possibly, students in Public Health and Medical Sociology, will be involved in working out a "contract" with Teen Age Medical Clinic and the Family Tree. The major research consultant is funded by the Bush Foundation. There is a possibility for spin-off to Public Health School, Maternal and Child Health Section, and to Medical Sociology staff and students, or the agency staff will be able to pick up and continue on their own. By providing consultation to the staff of these community agencies, several thousand young people are served.

Research consultation to the Home of the Good Shepherd, St. Paul, began in July, 1972 for the purpose of providing on-going research consultation to administrator and staff for evaluative research of the program. A member of the CYDR staff and a part-time graduate student are co-consultants to the Senior staff of the Home of the Good Shepherd. The Bush Foundation Grant provides the necessary funding. Hopefully the Home of the Good Shepherd staff will develop competence to carry on similar projects. The senior staff is learning to use research techniques in relation to real community problems, by implementing research it is possible to evaluate services offered delinquents and redesign these where appropriate.

Application process for funds for Hotline Evaluative Research began in July, 1972 to NIMH. This project would evaluate a hotline service to enhance its services; design a research model for use by other hotlines; learn young people's definition of their problems and the services they feel could be helpful. Presently one CYDR staff member and one part-time graduate student are involved, however, if funded, a research staff of at least a principal investigator and two part-time graduate students will be involved. To date, The Exchange, a Minneapolis-based national clearing house of information on hotlines and youth crisis centers, has participated. A study at Hotline in Northfield, Minnesota is planned; hence the participation of staff and students from St. Olaf and Northfield Colleges is anticipated. The young people in Rice County who use local human services will be the population served. Presently the major researcher is paid under the Bush Foundation grant, and consultation help has been provided by The Exchange. If funded, the project will be under the Center for Youth Development and Research auspices.

Free Legal Services for Twin Cities Youth is a project which began July, 1972, and will run to June, 1973, for the purpose of finding all such free legal services, compiling facts about these, publishing a directory of services, convening appropriate meetings to disseminate and discuss findings and planning appropriate social action. One major researcher, who supervises the project, and one part-time undergraduate are involved with ten legal service agencies in order to help serve young

2 - CENTER FOR YOUTH DEVELOPMENT AND RESEARCH

(Continued)

people who are in need of legal service and agency workers who refer young people for aid. The University Work-Study Program pays 80% of the student's salary, the other 20% and the major researcher are supported by Bush Foundation grant. Spin-off may result from a review of the findings and the possibility of a meeting of interested researchers, service people, and University faculty to discuss findings, suggest new studies, curriculum revisions, and changes in agency record keeping. There is the possibility of input to University and high school curricula, and to the work of the Minnesota Bar Association.

The Resource Collection began in September, 1971, and is a continuing function. Its purpose is to organize material at the Center concerning youth and to acquire or locate additional materials both published and unpublished from all relevant areas, for the use of the staff and all those interested in or working with youth. All Center staff and a wide range of faculty and departments make use of specially prepared bibliographies and bibliographies in Center publications. Materials have been used in consultation with Agricultural Extension. Faculty on the Interdisciplinary Curriculum Committee and those attending the Curriculum Conference have benefited from these resources. Faculty who will be implementing the curriculum and students who will be participating in the curriculum are and will be making use of this collection. Some of the departments are Sociology, Psychology, Social Work, Education, and Nursing. Community agencies and organizations, group homes, youth organizations and services, public, private and suburban schools have made use of the collection. CURA has contributed \$2526 of the salary of the Research Specialist for the 1972-1973 FY. The Bush Foundation Grant provides for the purchase of publications, duplication, etc., and another part of the salary for the Research Specialist, \$3,000. This is a unique resource since material on youth will either be located at the Center or may be located through the resource file.

Publications are an ongoing commitment of the Center. It began publishing an Annual Report in 1970, began planning the QUARTERLY FOCUS in 1971, printed a new brochure in Spring, 1972, and a Demographic Study, YOUTH IN MINNESOTA, in August, 1972. The overall purpose of Center publications is to translate research and knowledge into a useable form, to communicate significant current thinking and research on issues and problems concerning youth, to help create a sense of professional community among youth specialists, and to define and advertise the Center's purpose and functions. These publications are received by a mailing list of over 2,000 persons: youth specialists at colleges and universities throughout the U.S.; public officials and persons at work in private, public, State and Federal agencies; and internationally. In FY 1971-1972, CURA paid \$1237 for part of the salaries of the editor and assistant. The Bush Foundation provided funds for the Brochure and Annual Report covers. During FY 1972-1973, CURA contributed \$760 for 10% of the time of the editor and assistant, and \$170 for printing per issue. The Bush Foundation covers the rest of the QUARTERLY publishing costs at \$528 per issue for 3,000 copies. Bush also covered the expenses for the Demographic Study and Annual Report. These publications are an ongoing activity and an important means of having impact on higher education, schools, correctional institutions, youth agencies and civic organizations. They are also a means of bringing together knowledge and skills from various disciplines, professions, and experiences to better understand and work with youth. This kind of multi-disciplinary approach is unique to the Center and its publications.

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Continuing Education for Youth-Serving Personnel in Model Cities, Minneapolis, began July 1, 1971, and will continue to June 30, 1974. This project has as its purpose conducting consultation and in-service training of the staffs of youth-serving agencies with a special focus in the Model Cities area of Minneapolis. Ten faculty members have been involved from various areas of Psychology and Education, Child Development and the Drug Information Service Center. Private agencies and organizations participating or served are: Minneapolis and St. Paul schools and learning centers, Minneapolis YWCA and Urban West Central YMCA, Bloomington Police Department, State Departments of Corrections and Civil Service, St. Thomas and Augsburg Colleges, the Youth Services Coalition, and St. Paul Model Cities. The population served included youth workers and administrators of various Model Cities Organizations, Public School teachers and administrators, Correctional Counselor Trainees, Minnesota State Highway and State Manpower Service Supervisors, United Fund policy makers, and policemen. It is totally funded by an NIMH grant. Through this project, CYDR is increasingly recognized as a resource for organizations and individuals in the community who, heretofore had not considered the University as a place which had knowledge of or interest in their needs. Contacts have been established for an elaboration of services beyond the bounds of the metropolitan area.

The Resource Service began in 1968 and continues to provide a resource and information service for both professionals and non-professionals regarding program development, evaluation of programs, and current issues in the field of youth through one-time or continued consultation, a single or series of workshops, panels, institutes, programs, service on boards and committees, technical assistance for proposal development. Students in the Schools of Social Work and Nursing, the Department of Home Economics, and the College of Education have been involved in workshops and programs given by the Center staff. Community councils and organizations, state and local PTAs, State and national 4-H, Girl Scouts, are some of the public agencies and private organizations who have been served as well as several area group homes, agencies dealing with delinquent or troubled youth, and the Minneapolis YWCA junior high school program. Faculty and students at the University; professionals and non-professionals at work with youth compose the population served. CURA monies pay 25% of the Director's salary (\$5,600) and 45% of the Assistant to the Director (\$6,300). This is an ongoing function of the Center which has reached thousands of persons working with or concerned about youth in Minnesota and nationwide.

The Student Community Involvement Project began January 1, 1972 and will end June 30, 1973. The project's purpose is to develop, implement and disseminate educational models which foster direct involvement of high school students in the community as a means of increasing students' understanding of their community, of themselves in relation to that community, and of stimulating their continuing civic involvement. Faculty members from General Extension Division, Economic Education and the College of Education have been involved on the Advisory Committee. Resource persons for in-service training have come from the Departments of Family Social Science and Educational Psychology, Secondary Education, and CURA. One graduate student from the School of Social Work is involved in implementing the program. Six area high schools, public and private, have begun programs. Macalester College, Minnesota Association of Commerce and Industry, State Department of Education, Minneapolis Chamber of Commerce, Greater Minneapolis Day Care Association, and the Volunteer Service Bureau of Hennepin County have all participated in this program. Students are and will be working in a variety of community agencies and organizations including day care facilities, elementary schools, police departments, political campaigns, the Minnesota legislature. Population served includes high school students and staff in the six high schools, as well as the community agencies and organizations in which the students are working. During the 1971-1972 fiscal year CURA paid 20% time for the project facilitator (\$1250) and 12% (\$878) in 1972-1973, the pro-

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ject Director received 14% time or \$2,000 in 1972-1973. The SURDNA Foundation provided \$75,000 for the 18 month project. A course to prepare teachers for using the community as a classroom is presently being offered through the College of Education for graduate credit. The models developed within each high school will become a continuing part of the curriculum in each school. Materials on this program will be disseminated both state-wide and nation-wide, which hopefully will insure the continuation of this model of social studies education beyond the 18 months of this project.

Consultation began on a Survey of Camping Services in St. Paul in August, 1972, and will continue until the survey is complete. The purpose of the project is to determine the potential market for camping services for youth in the Greater St. Paul area; to determine projected needs for camp facilities and land use; and to determine the projected needs in programs and activities for camping services. Projected involvement with University departments will be with: Geography Department, Recreation Department, College of Education, and School of Social Work. Agencies participating or served will be St. Paul YMCA and Girl Scouts, Wilder Foundation, St. Croix Valley Girl Scout Council, and the Boy Scouts. Social and youth agencies in the greater St. Paul Area will be served. It is projected that YMCA and Wilder Foundation will finance the project.

The Glen Lake County Home School Project began in 1968 and ended September, 1972. Its purpose was to train volunteers for work in a delinquency institution in order to provide direct service to students in the institution, to enrich and diversify the program of the institution and to increase the awareness of and stimulate participation of citizens in juvenile corrections. One graduate student from the School of Social Work and one Center staff member worked with Glen Lake County Home School, Hennepin County Court Services and the Junior League of Minneapolis in serving residents of the Glen Lake County Home School, ages 7-17. There was no University funding, and \$3,000 was received from the Junior League of Minneapolis. The total project became a part of the Volunteer Program of Hennepin County Court Services in September, 1972. Former volunteers in the Glen Lake program have volunteered at other youth-serving agencies. Several have participated in a conference regarding legislation and planning for juvenile corrections. A monograph, "The Glen Lake Story", describes the model of community/university cooperation in development of the program and will be published and disseminated nationally to groups and organizations seeking to begin similar projects.

3 - URBAN EDUCATION CENTER

The Urban Education Center began officially in the summer of 1970 and is actively continuing. The central purpose of UEC is the achievement of positive learning experiences for students which simultaneously provide a needed service to community groups unable to afford the service on the open market. Department, student and faculty involvement has come from at least nine areas in the University, with largest student involvement coming from Architecture, Landscape Architecture, Photo Journalism and Urban Studies. Public agencies who have joined in the serving role are the Minneapolis College of Art and Design and the Community Design Center. Agencies served include the Minneapolis Institute of Arts, various community centers and committees, as well as the Model Cities Communications Center and Twin Cities Public Schools. The Minneapolis and St. Paul area, Indians at the Ponsford Reservation, small businessmen in Ely and residents of Renville County have been served. Most fiscal support comes from CURA and central administration at the University. Outside contributions may result from individual projects for related expenses. This program allows an opportunity for

3 - URBAN EDUCATION CENTER

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community-based cross-disciplinary learning experiences for undergraduates from a number of departments. The Urban Education Center, through CURA, has given the University a substantially enlarged capacity to respond directly to many of the environmental design needs of low budget groups in the community.

4 - INTERCULTURAL PROGRAMS

The purposes of Project Mini School are to provide a demonstration of alternative education for children who consistently experience failure and frustration within regular public schools, and to provide an opportunity for parents to be more directly involved in the education of their children, in an effort to reduce the parent-school distrust level which is seen as contributing to the constant experience of failure on part of their youngsters in public education. The College of Education provides administrative support for the staff and supervisory support for the teachers, as well as policy and advisory direction for the council of parents and teachers. University students have not been involved in this project up to this point. Public agencies involved are the Minneapolis Public Schools and the Model Cities Program. The population that is being served is a low income, predominantly white population of Model Cities residents and their youngsters. Support from the University has been through teaching and research assistants who work under the direction of University faculty in helping the Mini-School staff and students in the evaluation program, proposal development, and agency funding efforts. CURA has contributed \$3,000 in fiscal 1971-1972. About \$68,000 was available through the Model Cities grant. Some donations of materials were received from the Minneapolis Public Schools. This project is in its developmental phases and no phasing out is anticipated for another year or two. Eventually the project will be included under the urban education umbrella and the College of Education. It is anticipated that funding through Model Cities will continue or some other source in the Office of Education will be available for the next four to six years. The University is very visible, and is seen as helpful by all of the agencies that this project relates to.

The objectives of the Human Relations-Urban Education Program are: to improve the level of participation by community individuals in University-community related program areas, to improve the level of awareness of University professors relative to community interest and needs, to provide an avenue whereby community interest in the training of professionals could receive discussion and remediation. The principal departments involved have been the Department of Afro-American Studies, the Department of Indian Studies, and the College of Education, along with the Center for Urban and Regional Affairs. Agencies which contributed individuals to the community-campus advisory council are the Minnesota State Department of Education, the Minneapolis and St. Paul Public School Systems, and the Hopkins School System. Those who have been served include the minority communities themselves through their advisory and selection input and the Graduate School which has accepted a selected number of students according to the criteria that had been set forth by the community-campus advisory council. Support from the University has come principally from the Center for Urban and Regional Affairs and from the Trainers of Teacher Trainers program. CURA contributed about \$3,000 on committee expenses. Financial support during fiscal year 1971 did not come from sources other than the University. This project is in a developmental phase, and it is anticipated that expenses will increase in fiscal 1972-1973. Spin-off into the urban education program for fiscal 1972-1973 is anticipated. This project has demonstrated that advisory groups can have an impact at the program

4 - INTERCULTURAL PROGRAMS

(Continued)

level within the University. The University is likely to gain additional recognition for sensitivity to community needs in the area of human relations and Urban Education.

Project SEED began in September, 1971 and continued until June of 1972. The objectives of the project were to improve the self-concept of minority group and low-income youngsters, to demonstrate that minority group and low-income youngsters can achieve as learners in sophisticated conceptual areas when the method of instruction is compatible with their most efficient method of learning, to improve the expectations for the achievement of low-income youngsters in the basic scientific areas of the study, to improve parents' perception of their children as learners so as to improve parents' motivation for their children to achieve in school. The mathematics department in the Institute of Technology, the mathematics department in the College of Education, and the Center for Urban and Regional Affairs have been involved in this project since its inception. The Minneapolis Public Schools provided the students and the facilities for this demonstration-instructional project. Those who have been served include 150 predominantly black, school age children in the fourth, fifth, and sixth grades of Willard Elementary School in Minneapolis. Their parents have also been served in parent discussion, parent demonstration, and informal workshop sessions. Their teachers have gained skill in inquiry teaching as well as gained additional knowledge in mathematics conceptualization and problem solving. University funds have been from two sources: the College of Education, about \$3,000; and the Center for Urban and Regional Affairs, about \$3,700. This project is now completely funded under the Title I program in the Minneapolis Public Schools. There are plans to include the project within the Urban Education Program in terms of using doctoral level mathematics education students as instructors. The project has developed a very detailed and complete evaluation report showing the achievement gains of children in the area of computation as well as mathematical problem solving. The Minneapolis Public Schools has seen this as a very positive contribution by the University in demonstrating a manner in which minority and low-income children could prove their abilities to learn by improving their concept of themselves as learners through the acquisition of complicated conceptual problem-solving skills.

Project ELEC began in July, 1971 and terminated in June, 1972. The objectives of the project were to assist in development of the exceptional learning education center through providing staff assistance, and to develop a working relationship with the Urban Education Program at the University of Minnesota so as to have Project ELEC become a training station for professionals in higher education who are interested in education in low-income communities. University faculty were contributed by the College of Education, Center for Urban and Regional Affairs, General College, and Physics Department. Students from the College of Education participated intermittently. The Minneapolis Public Schools and Antioch College (Minneapolis Campus) have also participated. The primary target group has been low-income, predominantly minority, adults on the north side of Minneapolis who are blocked in upward job mobility because of the lack of a degree. Other individuals who seek a degree for personal satisfaction is the secondary target group. The University contributed \$3,000 through CURA for fiscal 1971-1972. This project, as the umbrella project for the Antioch Minneapolis Campus, has received about \$25,000 from private sources including Antioch College. Tuition payments by students and stipends from welfare and the Department of Corrections provide the other sources of support for the several different projects incorporated under

4 - INTERCULTURAL PROGRAMS

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the Project ELEC umbrella. This project is seen as still in its developmental state, and CURA's continuous involvement is anticipated. However, if students who are currently enrolled in our Urban Education Program are found acceptable as instructors in either the Antioch/Minneapolis Post Secondary Program or in several of the exceptional learning center programs, financial support by CURA could be replaced with manpower support through practicum and internship assignments from the Urban Education student population. This project provides the University with high visibility in a minority and low-income community. The efforts these individuals have put forth on the projects of this organization have been meretorious and have assisted the organization in attracting academic ties with other institutions and financial ties with funding sources of governmental and private agencies.

The St. Paul Model Cities Supplementary Education and Career Development Resident Training Program began in fiscal year 1971-1972. Its purpose is to provide training needed for job effectiveness, upgrading in employment, and meaningful employment qualifications. Instructors from the University, as well as graduate students, have been involved in clerical training, and teacher aid Career Development Training. Twin Cities Montessori Center, Inc. sponsors Early Childhood Education Training and the St. Paul HUD Office offers Appraisal Training. Other state colleges and junior colleges are involved also since residents and Model Neighborhood Agency employees may take courses at these institutions and receive assistance for tuition from this program. Finances through FY 1972-1973 amount to \$20,000 from CURA and \$269,000 of Model Cities HUD monies.

The Afro-American Studies Laboratory, a Crime Commission project, began April 1, 1972 and is continuing. Its purpose is to develop a means by which Stillwater inmates, adults, and inner-city youths can interdependently work and study to identify, understand, and reinterpret basic socio-cultural problems that can lead to asocial behavior; and to develop materials and resources that can be used to create a climate of awareness out of which meaningful resolutions to these problems can be realized. The University Student Counseling Bureau, Afro-American Studies Department, and many other University departments have been involved along with the Afro-American Brotherhood and Cultural Group at Stillwater State Prison; the Neighborhood Youth Corps; speakers from community service agencies, schools, churches, and police departments of the Twin Cities; and eleven students from St. Paul Central and Mechanic Arts High Schools, through participation in and planning for Reading Skills Instruction Classes, Directed Studies Classes, a Lecture-Film Series and developing the Afro-American Studies Program at Stillwater State Prison. Funding from CURA amounts to \$6,000 and Crime Commission monies total \$60,000. Students were incorporated into this program as reading skills teachers working with inmates while sharpening their own skills and becoming educated by the inmates as to the pitfalls of behavior that lead to criminality.

The Migrant Tutorial Program began in August, 1970 and is continuing. Its purpose is to provide a bilingual tutor corps to serve Spanish speaking/migrant children in the St. Paul schools who are in need of remedial work due to their background. A minimum of about 50 children and their parents are served at a given time. The tutor corps consisted of about 22 University of Minnesota students; and students from five private colleges in FY 1971; 100 University students applied as tutors for FY 1972, 60 were accepted. The project has involved faculty from the Department of Spanish and Portugese and the College of Education at the University of Minnesota. In FY 1972 the Departments of Chicano Studies, Special Education, Child Psychology, the Living-Learning Center and General College were added. Community agencies involved include Migrants in Action,

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the Minnesota Migrant Council, and the St. Paul Public Schools. While coordination of the project has been through CURA, fiscal support has been from Title I E.S.E.A. in the amount of \$45,350 for FY 1971 and \$77,000 for FY 1972. University responsibility ended in April 1972. The St. Paul Public Schools now assume responsibility for program coordination. Tutors are still supplied through the University departments listed above. The program has provided an opportunity for pre-practice teaching experience, information on the utility of tutors with bilingual children and, some insight into the particular problems of educating non-English speaking children from poor educational backgrounds. During the coming year an expansion of the program into rural areas may be possible.

Chicano Studies Information Collection Project began in October, 1971 and terminated February, 1972. The purpose of the project was to gather materials pertinent to Chicano Studies. Two Work-Study students, one community person, and no University faculty were involved. After project initiation by CURA, the Minneapolis Task Force on Ethnic Studies assumed full responsibility for the project. Materials gathered were distributed to the Minneapolis Public Schools. Direct costs were approximately \$320 to support the two Work-Study students. Communication failure resulted in a Latin Liberation Front rejection of the project. As a result it was recommended that any further related projects should be done in conjunction with the Department of Chicano Studies. The Minneapolis Task Force on Ethnic Studies may, however, provide a means for the involvement of Chicano Studies students and Work-Study students in the future.

The Teaching English as a Second Language Program was initiated in December, 1971 and discontinued after June, 1972 because of lack of available funds. Planning and program development through CURA began in the Spring of 1971. The purpose of the program is to provide English communication skills to migrant, Spanish-speaking adults with low educational attainment and specific socio-economic needs. About 75 adults were served. University involvement included faculty and graduate students from the Department of Linguistics. Community agencies involved include the St. Paul Public Schools, St. Paul Ramsey Mental Health Institute, and Migrants in Action. No University funds were involved. The program was supported (\$30,000) and administered by the Adult Basic and Continuing Education Program of the St. Paul Public Schools. Effects on the University have been minimal. If funding for future classes is found, the program may be opened to practice teachers and evaluation of the 1971-1972 program may be available.

The Peter and Pedro Program operated experimentally during the Winter Quarter of 1971. The purpose of the program was to provide cultural exchange between white and Mexican-American parents and their pre-school children. About 24 persons were involved as participants. University students through the Latin American Student Association; and the Department of Spanish and Portuguese were used as resource persons. Community involvement included the St. Paul YWCA, Torre de San Miguel Housing Project, and the Migrants in Action staff. University funds were not involved. Total cost of the program was about \$150 which was provided by participants and the YWCA. Consultant and referral services have been provided by CURA. The St. Paul YWCA is evaluating the program. If the program is conducted again or expanded to other cultural groups, direct contact between the YWCA and University resource persons will be used. The YWCA in St. Paul had a reputation of being white-oriented, but to date no significant programming changes at the YWCA have been realized.

4 - INTERCULTURAL PROGRAMS

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The BEAM Program, Business Education for American Minorities, began during FY 1969-1970 and terminated June, 1972. The objective of this program is to teach practical techniques and offer consulting assistance to minority small businessmen in the Twin Cities. The University's School of Business Administration faculty and the HELP Center have been involved along with the Chicano Businessmen Association, Powderhorn Development Corporation, Metropolitan Economic Development Association and Twin Cities General and Specialty Contractors Association, in conducting courses for minority small businessmen in the Twin Cities. During the 1971-1972 fiscal year CURA contributed \$8,000 to the program. Outside contributions came from the groups mentioned above. For FY 1972-1973 the project is completely supported by those groups mentioned, although faculty assistance continues from the School of Business Administration at the University.

5 - PROJECT TECHNOLOGY POWER

Project Technology Power began in Fall, 1970 and is still active. Its purposes are to increase the number of nonwhite and/or disadvantaged students graduating from the Institute of Technology and to generate interest and achievement in mathematics and science among nonwhite and/or disadvantaged students while in secondary school. Participating University faculty have come from Aerospace Engineering and Mechanics, Institute of Technology, School of Mathematics, and General College; students come from IT and Educational Psychology. All are involved as instructors in science or mathematics. Outside agencies involved are Indian Upward Bound, Minneapolis Public Schools and the Neighborhood Youth Corps; the Twin City Institute and St. Paul Public Schools have also become involved during 1972-1973. Inner-city youth in Minneapolis was the population served during 1971-1972. In FY 1972-1973 this has been expanded to inner-city youth in the Twin Cities. During FY 1971-1972 CURA contributed about \$11,800 and the Institute of Technology gave \$2,000. Total University contribution was \$13,800. Neighborhood Youth Corps contributed \$2500. For FY 1972-1973 CURA will contribute about \$9800 and IT \$2500. Educational Development Funds supports one of the courses. Neighborhood Youth Corps will contribute \$12,000, Bush Foundation \$16,740, the National Science Foundation \$24,960, and Minneapolis Public Schools \$750. Total outside fiscal support \$53,500. The Indian Upward Bound project was a single summer program and the peer teaching program is now partially supported from Bush Foundation funds. CURA's support has decreased while outside support has increased markedly. Institutionalization of the peer-teaching program is being sought. The Institute of Technology and the University have become increasingly involved in inner-city schools. Peer teaching represents a radical change in teaching approach and a contribution has been made to curriculum improvement. This project has also taken a role in the formation of "Minds for Progress", a group of non-whites organized for the betterment of the inner cities.

6 - WEST CENTRAL REGIONAL COOPERATIVE

The Regional Pilot Studies Project in West Minnesota began in September, 1969 and terminated June 30, 1972. The objective was to determine ways in which the University could be more responsible to community needs. A field position was established representing CURA, CEE and Agricultural Extension. Community resources actively involved

6 - WEST CENTRAL REGIONAL COOPERATIVE

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included Otter Tail Power Company, the Fergus Falls Economic Development Corporation, Lake Region Home Economists, the Fergus Falls State Junior College, Moorhead State, Concordia College, North Dakota State University, the University of Minnesota-Morris, OEO agencies, Resource Conservation and Development Project, Min-Dak Health Planning Commission, Souris-Red-Rainy Basin Commission, Concerted Services, Sheltered workshop, and the Lake Region Mental Health Center. Those served have been primarily agency and educational institution personnel, and through them the client groups they serve; and secondarily, innumerable special groups, organizations and institutions. The field coordinator's salary and expenses were paid by the University: one third from Agricultural Extension, two-thirds from CURA. The Fergus Falls Junior College furnished office space and assistance and meeting space. Title I monies covered Title I program expenses. (Approximately \$150) Other support included the Lake Region Nurses Association Rural Affairs Committee and the Office of Local and Urban Affairs of the State Planning Agency. This field position has now been incorporated into and funded primarily by Agricultural Extension Service. Results of the project include: new local agency higher education cooperative arrangements were initiated leading to a consortium of higher education in West Minnesota; new position of Director of Community Services and Regional Programs at the Morris Campus has been established, this is viewed as a model for coordinated Extension efforts in the future at the Duluth and Rochester Campuses; new groups and organizations secured information about University resources that have not normally been contacted through the Agricultural Extension Services; the Agricultural Extension Service has developed a much broader Community development program which should increase the utilization of University research and faculty involvement to a greater extent.

7 - OFFICE FOR APPLIED SOCIAL SCIENCE AND THE FUTURE

The Contemporary American Indians Project is an ongoing project of the Office of Applied Social Science and the Future. The objective of the project is to provide inexpensive distribution of publications to interested libraries, agencies, and individuals throughout the United States. Faculty and students from Education, Sociology, Architecture and Public Affairs have participated in research and publication during the biennium. Students, scholars have been served and specifically members of the American Anthropological Association and the American Sociological Association. The publication series has become self-supporting as costs are charged for the publications.

The NSP Future Trends project began in September, 1971 and ended in June, 1972. The objective of the project was to expose a range of Northern States Power Company executives (34) to future trends in society with a view toward increasing their social consciousness and toward improving their planning capabilities. Faculty from the College of Education, Department of Psychology and CURA have been involved. The program was entirely supported by NSP. Part of that support came in the form of purchased staff time (\$4,500) from the Office for Applied Social Science and the Future. Evaluation is currently underway by NSP. Analysis of course logs suggests that there has been heightened awareness and interest on the part of learners in future trends. There have been specific recommendations for programmatic change at NSP, and there have been meetings to translate these into action.

The Delphi Research Study on Water Resource Utilization began on January 15, 1972 and was completed on October 31, 1972. The initial objective of the Project was to conduct a Delphi study to determine the possible future utilization of America's water resources with particular emphasis upon social determinants and to structure a symposium

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based upon the Delphi results. Fourteen University faculty have participated in the Delphi as panelists; three students have employed part time as clerical personnel; one faculty member has been employed as a consultant. The Institute for Water Resources, U. S. Army Corps of Engineers, negotiated the contract and is the principal agency being served. About one hundred public and private agencies and individuals are participating in the study. The Futures Group, Glastonbury, Connecticut, has participated in the design of the study. The final report of the study and the symposium will serve many others interested in water resource utilization. The project has been supported by the Institute for Water Resources, U. S. Army Corps of Engineers in the amount of \$15,000. No University funds have been involved.

Seminars in Alternative Futures began in September, 1971 and ended in June, 1973. The objective of these seminars was to establish a focus for faculty interest in the interdisciplinary examination of probable and possible human futures. Twenty-eight University faculty members from twenty-five different departments and ten experts outside the University from business and higher education participated in the seminars. Twenty-five to thirty students were involved each of three quarters. Costs in administering the seminars have been absorbed by the Office for Applied Social Science and the Future.

The University Council for Educational Administration Career Development Seminar was conducted in Minneapolis on October 29-November 1, 1972; planning for the project began in 1971. The objective of the seminar was to provide selected educational administration professors with an exposure to the "cutting edge" of ideas capable of advancing educational administration as a social process. The Seminar included six University faculty from the College of Education and the Departments of Anthropology and Sociology, twelve national and local leaders from government, business and education, and professors of Educational Administration (about 50 in number) from across the United States. The Office for Applied Social Science and the Future served as the co-sponsoring organization. The University Council for Educational Administration and the Department of Educational Administration provided necessary financial resources.

C - CENTRAL OFFICE ADMINISTRATION

The major functions of the CURA Central Office are to facilitate program development and implementation by the various CURA coordinators. This includes priority setting, policy development, bookkeeping, financial reporting, and other miscellaneous support activities.

There is a publications program consisting of the CURA REPORTER. The REPORTER is a bimonthly publication which first appeared in June, 1970 and is an ongoing function. Its purpose is to disseminate information about: what the CURA projects are doing; related programs and projects in the University; related programs in other Minnesota colleges and universities; and actions outside the educational establishment which affect our plans and programs. The REPORTER reaches a mailing list of approximately 2,000 people in various departments at the University; state and federal government; community agencies, businesses and organizations in Minnesota; and newspapers throughout Minnesota. The REPORTER emphasizes University interaction with communities throughout the state, through CURA.

A small program development contingency fund is maintained by the Central Office for funding of small, short-run projects and to aid in the development of proposals by existing or potential CURA coordinators.

Developing Regional Action Agendas in Context of 1985 Land Use and Settlement Report was a project of the central CURA staff which began during fiscal year 1971-1972 and terminated October 31, 1972. The purpose of this project was to develop materials which will provide, for regional development commissions, an example of a methodology for developing an action agenda to manage change in all regional development areas of the state and in two specific development regions, Regions 2 and 9. The scope will include studies of public facilities, natural resources, and human services. The project focused attention on the need to define and make decisions, from the perspective of the regions, on questions of location of public investments in transportation, health, education, waste management, water storage, drainage, and certain human services and the need for public sector measures to protect prime agricultural land, open space, and mineral reserves. The project was done in four parts: all plans and program development activities for physical facilities, resource management, and selected social services was inventoried; plans and program development materials were reviewed against the background of the 1985 study and the land use data of the Minnesota Land Management Information System (MLMIS) and compared with one another to identify plans which were mutually reinforcing, contradictory, or inconsistent with the 1985 study or land use resource accessibility relationships shown by MLMIS; conclusions and recommendations for specific actions by the two regional development commissions and for action and strategy by other regional development commissions will be prepared, efforts will be made to indicate where changes could be made or steps taken to alter certain trends or to indicate a strategy of action to encourage the cooperation and provide leverage necessary to implement plans, action recommendations will be put in terms of an implementation model developed by the State Planning Agency; a summary of recommendations to serve as an action agenda for regional development commissions and as a specific agenda for the two commissions in Regions 9 and 2 was prepared in a format intended to serve as a core of a work program for a specific regional development commission. Portions of this work were done on subcontracts to Mankato State College and Bemidji State College. Fiscal support came from funds appropriated to the State Planning Agency for state/local/regional policy development and Department of Housing and Urban Development grant Minnesota P-181 and its successor.

Coordinating State and Local Government Information Systems was the thrust of a Title I grant to the CURA Central Office. Work on this project started in 1971 and will be completed in early 1973. The grant has been used to establish the State-Local

C - CENTRAL OFFICE ADMINISTRATION

(Continued)

Data Systems Council which werved as a clearinghouse for various local and state cooperative information systems projects. The Council also drafted legislation for what it considered important steps for coordinating state-local efforts. Parts of that legislation were enacted into law establishing the Intergovernmental Information Systems Advisory Council (IISAC) which is now drafting a master plan and working on fiscal data reporting systems. In this last work, the Title I grant is also being used to provide staff work to IISAC. This is being done in cooperation with the League of Minnesota Municipalities.

The Application of Computers to the Reapportionment Process was a project undertaken in Fall, 1971 by the central CURA staff. The Senate Counsel requested an analysis of the reapportionment plan passed by the legislature (but vetoed by the governor) to determine the extent of population deviations and other ambiguities. In cooperation with a faculty member from the Political Science Department a computerized analysis of that plan was prepared for \$1100. As an outgrowth of that study, a paper was prepared analyzing the various computerized systems for developing reapportionment plans and a composite ideal system defined.

The City of Minneapolis became interested in Computerized Mapping which would help them display data geographically. Central CURA staff were familiar with several mapping programs at the University and assisted in implementing one of them on the city computer. Subsequent work has involved consulting on other types of graphic displays, mapping, and geographic data handling systems.

CURA coordinated University involvement in a Federal program to develop an Integrated Human Resources Development Information System in the City of St. Paul. That project was part of a six city project funded by the Urban Systems Interagency Commission (USIC). In the summer of 1971, shortly after CURA assumed its coordinating responsibility, USIC terminated the St. Paul project.

1971-73 Biennial Budget Summary

	<u>CURA Special</u>	<u>Other University</u>	<u>Federal/ State</u>	<u>Other</u>	<u>Total</u>
<u>Urban and Regional Management</u>					
Environment	40,000.00	48,800.00	--	--	88,800.00
Housing	50,000.00	--	--	--	50,000.00
Information Systems	15,000.00	4,000.00	196,000.00	50,000.00	265,000.00
Transportation	38,000.00	--	240,000.00	--	278,000.00
Land Use & Zoning	20,000.00	--	127,000.00	--	147,000.00
<u>Community Programs</u>					
Career Development	70,500.00	40,000.00	1,115,549.00	21,056.00	1,247,105.00
CYDR	100,000.00	--	31,344.00	190,300.00	321,644.00
Urban Education Center	38,500.00	10,000.00	12,000.00	--	60,500.00
Intercultural Programs	230,000.00	3,000.00	449,350.00	57,470.00	739,820.00
Project Technology Power	22,000.00	4,500.00	--	46,150.00	72,650.00
Regional Cooperative	10,000.00	5,000.00	--	--	15,000.00
Future Center	36,000.00	--	15,000.00	4,500.00	55,500.00
<u>Central Office</u>					
Management	23,200.00	150,770.00	--	--	173,970.00
Program Development	14,000.00	--	--	--	14,000.00
Publications	12,000.00	--	--	--	12,000.00
Special Projects	--	30,000.00	55,000.00	--	85,000.00
 TOTALS	 719,200.00	 296,070.00	 2,241,243.00	 369,476.00	 3,625,989.00